



EOG Resources, Inc.
600 17th St, Suite 1000N
Denver, CO 80202
Main: (303) 572-9000

June 10, 2019

Claudia Smith
Environmental Protection Agency
U.S. EPA, Region 8
1595 Wynkoop Avenue, 8P-AR
Denver, Colorado 80202-1129

Re: EOG Resources, Inc. Clarks Creek Central Facility
Part 1 Registration for Modifications at Existing True Minor Oil and Natural Gas Sources

EOG Resources, Inc. (EOG) is submitting a Part 1 registration application for a minor source modification at Existing True Minor Oil and Natural Gas Sources for the Clarks Creek Central Facility located on the Ft. Berthold Indian Reservation. This registration application was prepared to meet the requirements of the U.S. EPA Federal Implementation Plan for True Minor Sources in Indian Country in the Oil and Natural Gas Production and Natural Gas Processing Segments of the Oil and Natural Gas Sector, 40 CFR Part 49 issued June 3, 2016.

The modification to the facility will include the addition of 6 new producing wells and natural gas fired Reciprocating Internal Combustion (RICE) driven compressors to transport produced natural gas to sales pipelines and to provide gas lift for existing wells. The additional wells are scheduled to be completed and begin production beginning in September 2019.

EOG will submit an updated Part 2 registration package within 60 days of startup of the new or modified equipment.

Please contact me by phone at 303-262-9915 or email at mathew_oliver@eogresources.com with any questions you may have concerning this application.

Sincerely,

A handwritten signature in black ink, appearing to read "Mathew Oliver".

Mathew Oliver
Environmental Manager
EOG Resources, Inc. - Denver Division

Cc: R8airpermitting@epa.gov
[Colin Schwartz \(Schwartz.colin@epa.gov\)](mailto:Colin.Schwartz@epa.gov)

energy opportunity growth

ED_004016P_00013059-00001

Part One: Oil & Gas Production Facility Registration Modification

Clarks Creek Central Facility & Compressor Station

Add Clarks Creek 105-0719H, 18-0719H, 106-0724H, 45-0705H, 47-0706H and 46-0706H wells, natural gas fired engine driven compression, and TEG Dehydration units

McKenzie County, North Dakota

June 2019

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Appendix A Part 1 Registration Form

1. Introduction

EOG Resource, Inc. (EOG) has prepared an air registration modification for the facility known as Clarks Creek Central Facility. The modification is being submitted to register equipment associated with the addition of six new wells and the addition of new gas engine driven compressors and glycol dehydration units. The Facility is located on the Fort Berthold Indian Reservation in McKenzie County, North Dakota, and extracts oil and gas using horizontal drilling and hydraulic fracturing techniques. The latitude and longitude of the Facility locations are 47.905900 N and -102.755400 W, (NAD 83) respectively.

The Facility consists of well head(s), separation equipment, Natural gas fired compressor engines, Triethylene Glycol (TEG) Dehydration Units, emission control devices, crude oil and produced water storage tanks, and truck loading station(s).

This registration application was prepared to meet the requirements of the U.S. Environmental Protection Agency (EPA) for new and modified minor sources located in Indian country and the requirements of the Oil and Natural Gas Federal Implementation Program (FIP) for Indian Country (40 CFR Part 49) issued June 3, 2016.

In accordance with the requirements of §49.160(c)(1)(iv) this application includes the Part 1 Registration Form, presented in Appendix A, and is being submitted at least 30 days prior to the commencement of construction.

2. Process Description

Gas and liquids rise to the surface through the well head. The gas/liquid mixture enters a heater treater to separate the natural gas, crude oil, and produced water.

The crude oil and produced water will be temporarily stored in above ground storage tanks. Crude oil may be sent off-site via pipeline or hauled away by trucks. Produced water may be hauled away by truck for recycling and/or disposal. Produced natural gas will be compressed and sent to a sales pipeline. Sales gas will be dehydrated to meet pipeline specifications using TEG dehydration units. A control device may be used in the absence of a pipeline.

The Facility will be operational 8,760 hours/year.

A Plot Plan and Facility Flow Diagram are provided in Figures 1 and 2 respectively.

3. Equipment Description

The Facility may consist of the equipment described below:

3.1 Separator/Heater Treater

The Facility may contain heater treater(s)/separator(s) for separation of multi-phase streams into individual components of crude oil, natural gas and produced water.

3.2 Tanks

The Facility may contain stable oil storage tanks and produced water storage tanks.

3.3 Control Device

The Facility may use a control device to control emissions from tanks. The Facility may use a control device to control emissions from treater gas and flashing if a pipeline is not installed. The control device will have a control efficiency of 98 percent.

3.4 Component Count

Component counts will be used to estimate fugitive emissions upon completion of construction.

3.5 Natural Gas Fired Compressor Engines

The facility will install additional natural gas fired compressor engines to provide gas lift and sales gas compression and replace an existing unit.

3.6 TEG Dehydration Units

The Facility may install TEG dehydration unit(s) to dry gas to meet pipeline specifications. TEG dehydration will also be used to dry fuel gas for the natural gas fired compressor engines.

4. Endangered Species Information

The Facility is located in McKenzie County, North Dakota. Measures have been taken to ensure that the project does not adversely impact species listed by the U.S. Fish and Wildlife Service (USFWS) as threatened or endangered that may be present within the project area. The database maintained by the USFWS (<http://www.fws.gov/endangered/>) was consulted to identify species listed as threatened and endangered that have been documented as being present in the County. For those species identified as occurring in the County, a qualitative evaluation of the potential for habitats within the project area to support each of the species identified was conducted. This evaluation included types of habitats present, relative sizes of the habitats, and connectivity to other habitats. Based on this evaluation, it is concluded that the project does not destroy or adversely modify critical habitat for the species identified as occurring in the County.

The above conclusion is based on information provided in the USFWS database and readily available information on the habitats and cover types within the project area. Additional data will be collected if it is determined that threatened and endangered species are present within the project area or are negatively impacted by the project.

List of the endangered species found in the McKenzie County is provided below:

Site Location (County): McKenzie

Group	Name	Status
Bird	Whooping crane (<i>Grus americana</i>)	Endangered
Bird	Piping Plover (<i>Charadrius melodus</i>)	Threatened
Bird	Least tern (<i>Sterna antillarum</i>)	Endangered

Bird	Red knot (<i>Calidris canutus rufa</i>)	Threatened
Fish	Pallid sturgeon (<i>Scaphirhynchus albus</i>)	Endangered
Insect	Dakota Skipper (<i>Hesperia dacotae</i>)	Threatened
Mammal	Northern Long-Eared Bat (<i>Myotis septentrionalis</i>)	Endangered

5. National Historic Preservation Act Analysis

See Attached BLM Concurrence Letter.

6. Potentially Applicable Federal Regulations

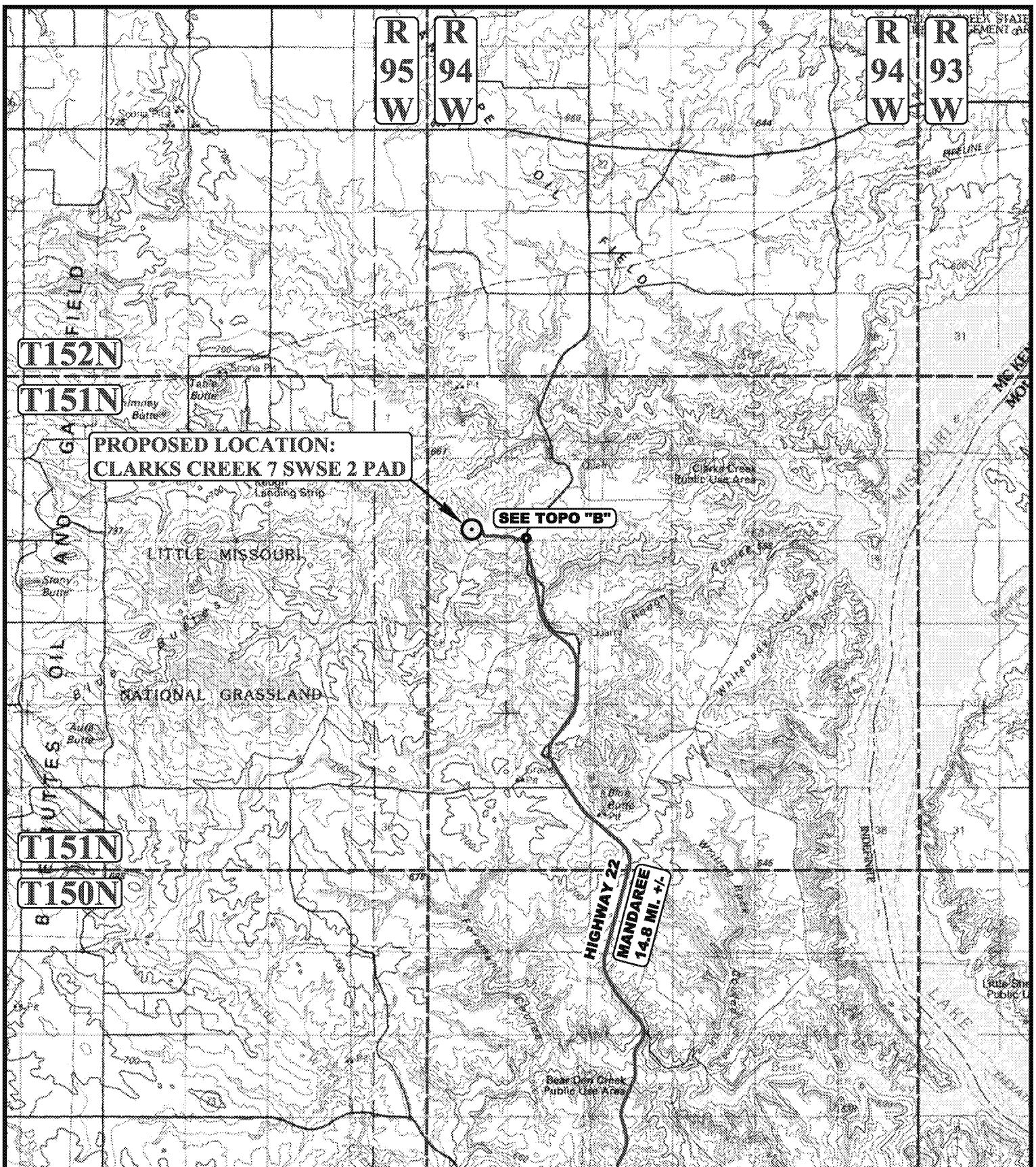
The Oil and Natural Gas FIP for Indian Country requires owners/operators of new and modified existing sources in the oil and natural gas production and processing segments to comply with the eight Federal rules. A summary of these rules and the Facility's compliance status is presented in the table below.

Federal Standard	Title	Applicability	Comments
MACT Supart DDDDD	Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters	This subpart applies to industrial, commercial and institutional boilers and process heaters located at major sources of Hazardous Air Pollutants (HAP).	Not Applicable. The Facility is not a major source of hazardous air pollutants.
MACT Subpart ZZZZ	Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines	This subpart establishes national emission limitations and operating limitations for HAP emissions from stationary reciprocating internal combustion engines located at major and area sources of HAP emissions.	Applicable.
NSPS Subpart IIII	Standards of Performance for Stationary Compression Ignition Internal Combustion Engines	This subpart applies to manufacturers, owners, and operators of stationary compression ignition internal combustion engines (ICE).	Not Applicable. The Facility does not have any compression ignition engines on site.

NSPS Subpart JJJJ	Standards of Performance for Stationary Spark Ignition Internal Combustion Engines	This subpart applies to manufacturers, owners, and operators of stationary spark ignition (SI) internal combustion engines (ICE) based on the date the engine was constructed.	Applicable.
MACT Subpart ZZZZ	National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines	This subpart applies to owners and operators of stationary RICE at major or area sources of HAP Emissions.	Applicable. The facility is an area source of HAP emissions and will comply with this subpart by meeting the standards of NSPS JJJJ.
NSPS Subpart Kb	Standards of Performance for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984	This subpart applies to storage vessels for petroleum liquids which has a storage capacity greater than 420,000 gallons that were constructed after July 23, 1984 and are prior to custody transfer.	Not Applicable. No applicable liquid storage vessels present at the site.
NSPS Subpart OOOOa	Standards of Performance for Crude Oil and Natural Gas Facilities	This subpart establishes emission standards and compliance schedules for control of volatile organic compounds (VOC) and methane emissions from affected facilities that commence construction, modification or reconstruction after September 18, 2015.	Applicable.

MACT Subpart HH	Nation Emission Standards for Hazardous Air Pollutants From Oil and Natural Gas Production Facilities	This subpart applies to oil and gas production facilities located at area sources and major sources of HAP emissions. For area sources of HAP emissions, the rule applies to triethylene glycol (TEG) dehydration units for which controls are required at certain trigger levels.	Applicable.
NSPS Subpart KKKK	Standards of Performance for New Stationary Combustion Turbines.	This subpart applies to manufacturers, owners, and operators of turbines.	Not Applicable. The Facility does not have any turbines on site.

Figures



LEGEND:

○ PROPOSED LOCATION



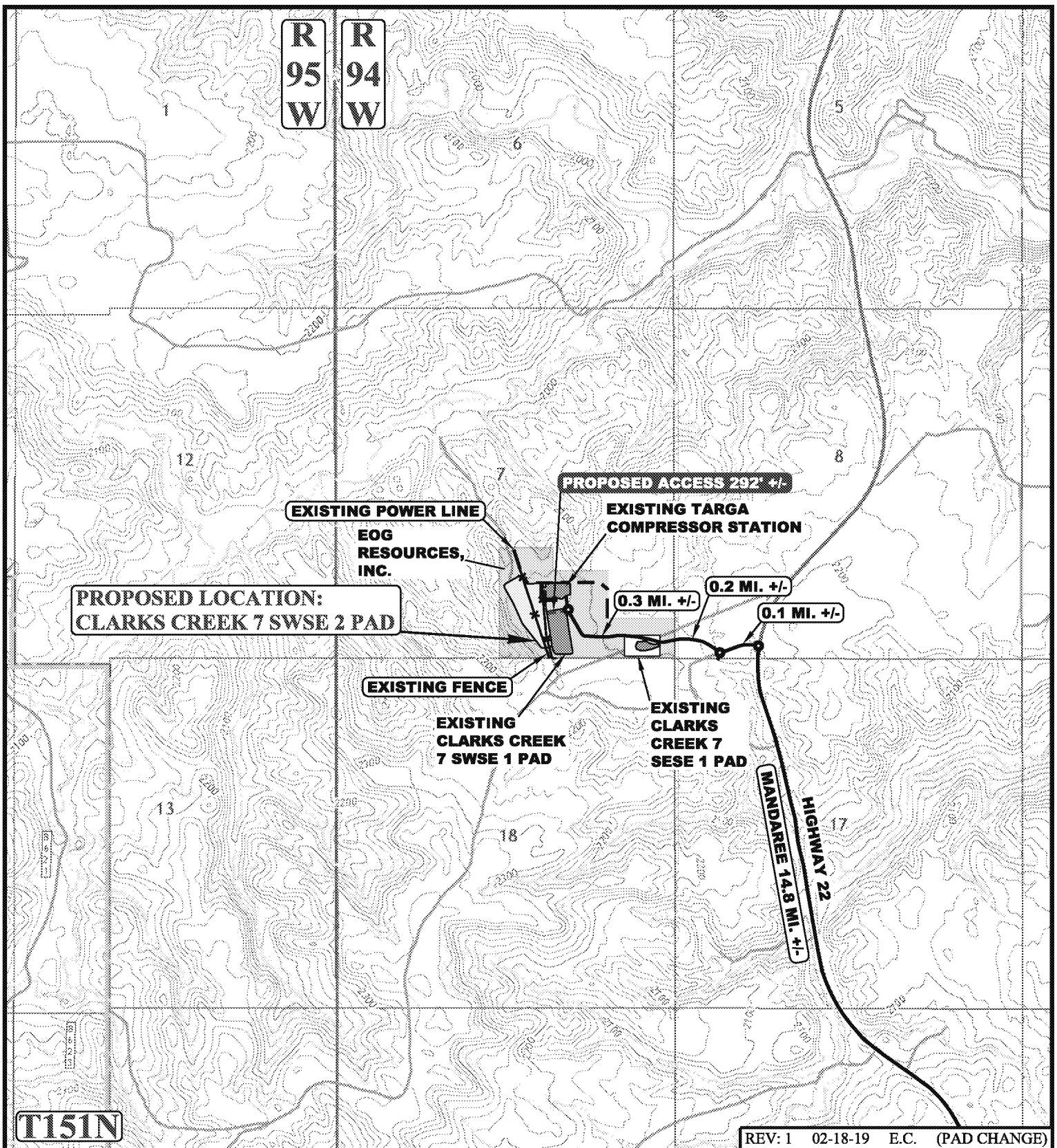
EOG RESOURCES, INC.

CLARKS CREEK 7 SWSE 2 PAD
 SW 1/4 SE 1/4, SECTION 7, T151N, R94W, 5th P.M.
 MCKENZIE COUNTY, NORTH DAKOTA

SURVEYED BY	D.G.	08-13-18	SCALE
DRAWN BY	J.J.	08-20-18	1 : 100,000
ACCESS ROAD MAP			TOPO A



UELS, LLC
 Corporate Office * 85 South 200 East
 Vernal, UT 84078 * (435) 789-1017



REV: 1 02-18-19 E.C. (PAD CHANGE)

NOTE: PARCEL DATA SHOWN HAS BEEN OBTAINED FROM VARIOUS SOURCES AND SHOULD BE USED FOR MAPPING, GRAPHIC AND PLANNING PURPOSES ONLY. NO WARRANTY IS MADE BY UTAH ENGINEERING AND LAND SURVEYING (UELS) FOR ACCURACY OF THE PARCEL DATA.

LEGEND:

- EXISTING ROAD
- - - PROPOSED ROAD
- - - EXISTING POWER LINE
- * * EXISTING FENCE



UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017



EOG RESOURCES, INC.

CLARKS CREEK 7 SWSE 2 PAD
SW 1/4 SE 1/4, SECTION 7, T151N, R94W, 5th P.M.
McKENZIE COUNTY, NORTH DAKOTA

SURVEYED BY	D.G.	08-13-18	SCALE
DRAWN BY	J.J.	08-20-18	1 : 24,000
ACCESS ROAD MAP			TOPO B

EOG resources

Site Facility Diagram

Well Name: Clarks Creek 7 CPF
1/4 1/4: SESE **Sec:** 7 **T:** 151N **R:** 94W
County: McKenzie **State:** ND
Lat./Long.: 47.9059, -102.7554
CA#: NDM102328

Type of well:
Injection: Oil: X Gas: Tank Battery: X

EOG Resources, Inc. site facility diagrams & site security plans are located at the Stanley office in Stanley, North Dakota. The office is located at 6201 81st Ave NW and normal business hours are 7:00am to 4:30pm CST.



	Production Valve	Sales Phase	Recycle Phase
PV	O/C	SC	O/C
SV	SC	O	SC
RV	O/C	SC	O/C
EV	O	SC	O

Revised: 7/17/18

Abbreviations

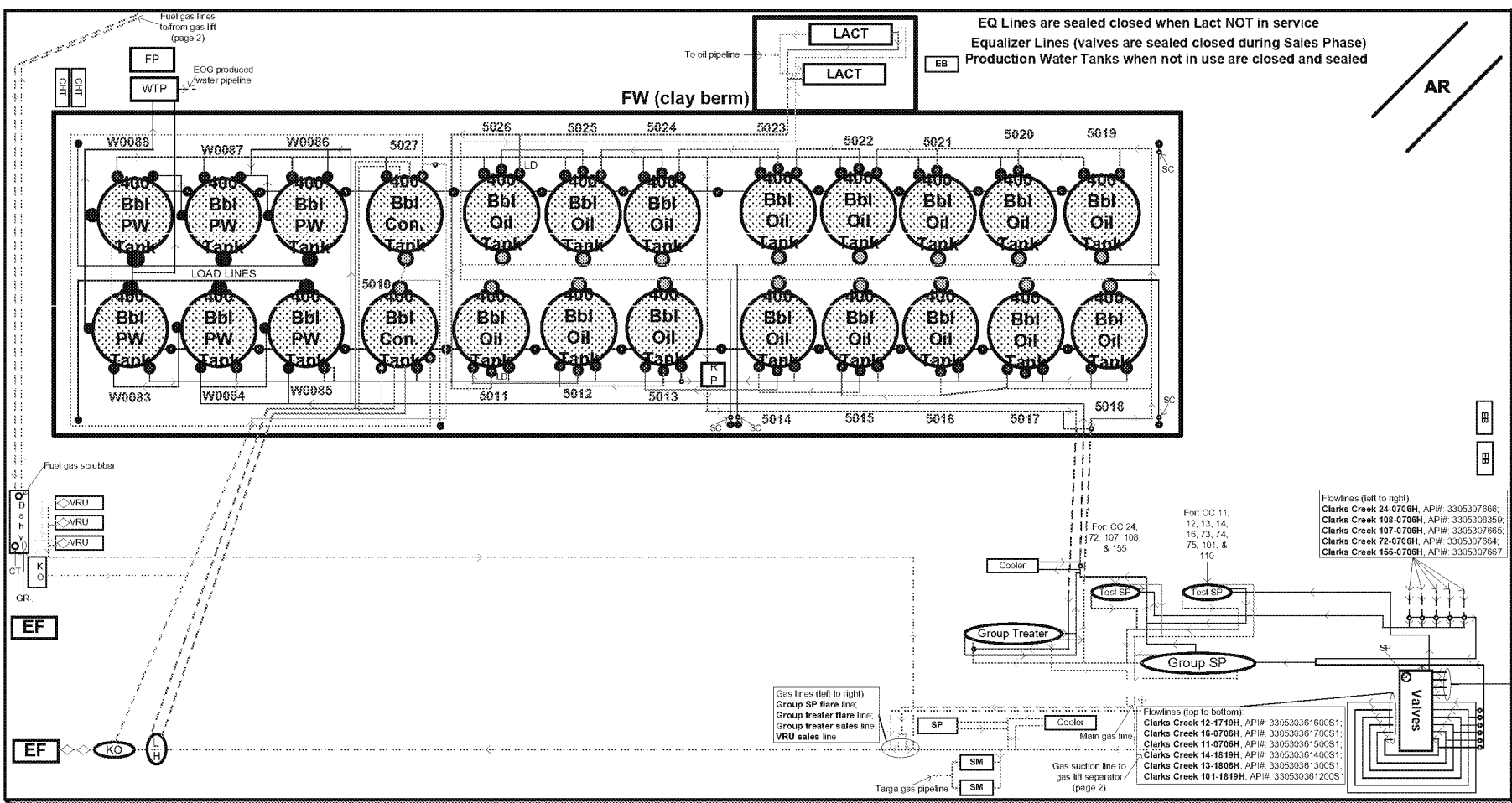
AR = Access Road
CC = Clarks Creek
CT = Contactor
CHT = Chemical Tank
Con. = Condensate
EF = Engineered Flare
EV = Equalizer Valve
FP = Filter Pot
FW = Firewall
GR = Glycol Reboiler
KO = Knock Out
LACT = LACT Unit
LD = LACT Divert
LH = Line Heater
O = Open
O/C = Open/Closed
PV = Production Valve
RP = Recycle Pump
RV = Recycle Valve
SC = Sealed Closed
SM = Sales Meter
SP = Separator
SV = Sales Valve
WTP = Water Transfer Pump
VRU = Vapor Recovery Unit

◇ = Meter
• = Valve
----- = Buried Line
_____ = Unburied Line

Equalizer Lines _____
Tank Vent Line _____
Water Line _____
Oil Lines _____
Recycle Line _____
Sales Line _____
Gas Line _____
Condensate Line _____
Glycol Line _____

Equalizer Valve _____
Water Valve _____
Oil Valve _____
Sales Valve _____
Recycle Valve _____
Condensate Valve _____

Flowlines (top to bottom):
Clarks Creek 75-0719HX, API#: 3305307899;
Clarks Creek 74-0719H, API#: 3305307861;
Clarks Creek 110-0719H, API#: 3305307862;
Clarks Creek 73-0719H, API#: 3305307863;



EOG resources **Site Facility Diagram**

Well Name: Clarks Creek 7 CPF gas lift
1/4 1/4: SESE **Sec:**7 **T:** 151N **R:** 94W
County: McKenzie **State:** ND
Lat./Long.: 47.9065, -102.7554
CA#: NDM102328
Type of well:
Injection: Oil: X Gas: Tank Battery: X

EOG Resources, Inc. site facility diagrams & site security plans are located at the Stanley office in Stanley, North Dakota. The office is located at 6201 81st Ave NW and normal business hours are 7:00am to 4:30pm CST.

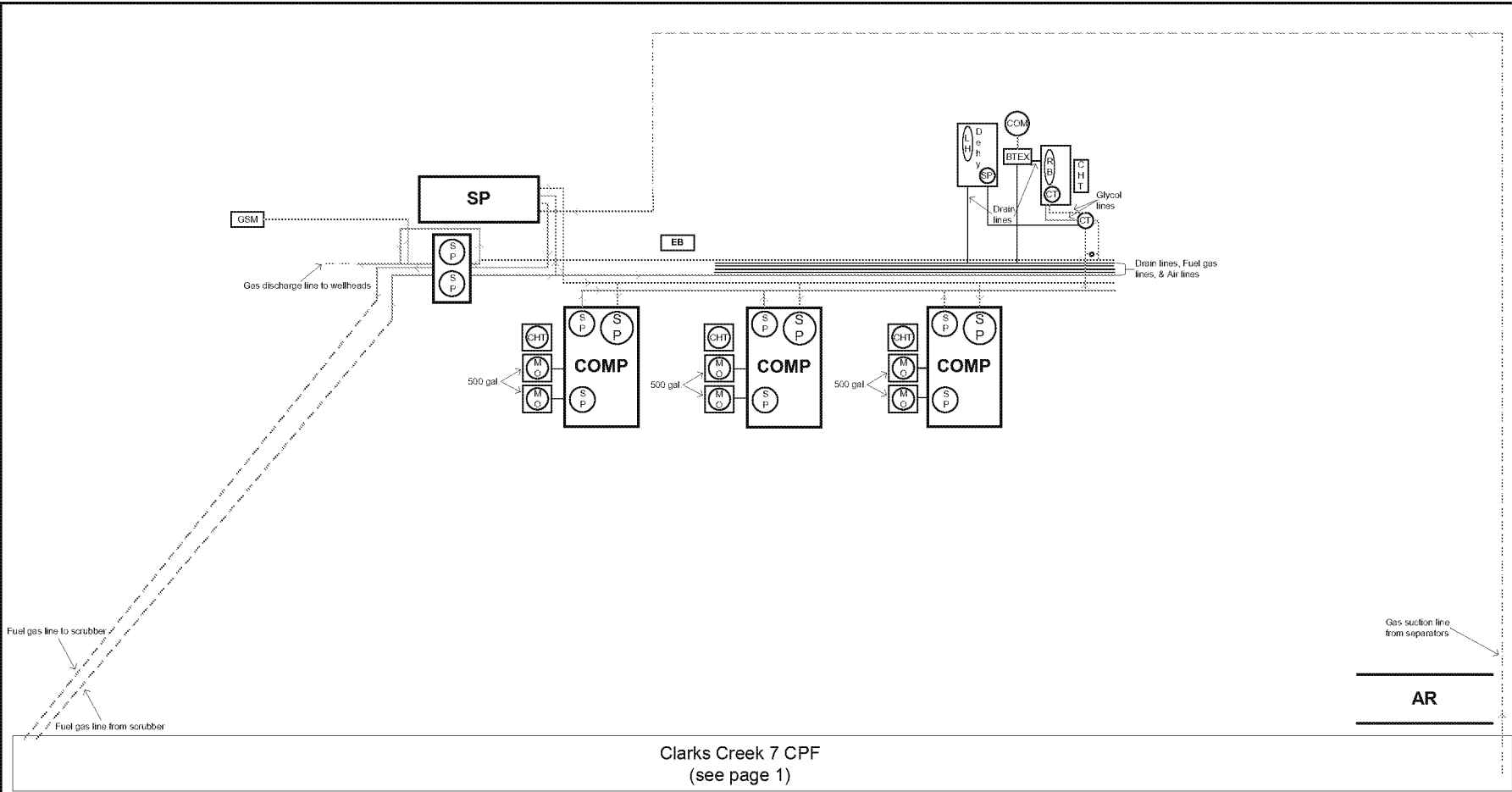


Revised: 7/26/18

Abbreviations

- AR = Access Road
- BTEX = BTEX Unit
- CHT = Chemical Tank
- COM = Combustor
- COMP = Compressor
- CT = Contactor
- EB = Electrical Building
- LH = Line Heater
- MO = Motor oil
- RB = Reboiler
- SP = Separator

- = Valve
- = Buried Line
- = Unburied Line





In Reply Refer To:
8100-R
16-MT030-66

United States Department of the Interior
BUREAU OF LAND MANAGEMENT
North Dakota Field Office
99 23rd Avenue West – Suite A
Dickinson, North Dakota 58601-2619
<http://www.blm.gov/mt>



May 3, 2016

Elgin Crows Breast
Tribal Historic Preservation Officer
Mandan, Hidatsa and Arikara Nation
Fort Berthold
404 Frontage Road
New Town, North Dakota 58763

Dear Mr. Crows Breast:

In accordance with the National Historic Preservation Act, the North Dakota Field Office (NDFO) requests your review and concurrence regarding the construction of a well pad and access road for EOG Resources, Inc. The proposed projects occur on privately owned property within the exterior boundaries of the Fort Berthold Indian Reservation in McKenzie County, North Dakota, and will affect subsurface minerals administered by the Bureau of Land Management.

Project: Clarks Creek 7 SWSE 1
Location: T151N R94W Section 7

The NDFO has made a finding of "No Historic Properties Affected" based on reviewing the results of the attached summary and report.

If you have any questions regarding the above referenced project or attached report, the BLM archaeologist, Annette Neubert, can be contacted at (701) 227-7781 or by email at aneubert@blm.gov.

Sincerely,

Loren Wickstrom
Field Manager

Enclosures (2)



United States Department of the Interior

FISH AND WILDLIFE SERVICE
North Dakota Ecological Services Field Office
3425 Miriam Avenue
Bismarck, North Dakota 58501
(701) 250-4481, ndfieldoffice@fws.gov



In reply, please refer to: 2014-I-0099

DEC 03 2015

Mr. Mark Herman
Bureau of Indian Affairs
Great Plains Regional Office
115 Fourth Avenue S.E., Suite 400
Aberdeen, South Dakota 57401

Mr. Herman:

This is the U.S. Fish and Wildlife Service's (Service) response to your interagency consultation request received via e-mail on October 30, 2015, transmitting a biological assessment in accordance with section 7 of the Endangered Species Act of 1973, as amended (16 U.S.C. 1531 *et seq.*) (Act). The action considered herein is a proposal by the Bureau of Indian Affairs (BIA) to amend the May 2014 Programmatic Biological Assessment (PBA) with the revised Addendum dated October 2015. The addendum addresses proposed changes in the review procedures and project-specific requirements for oil and gas exploration, development, and production on the Fort Berthold Indian Reservation (FBIR). The Service issued a letter of concurrence on June 4, 2014, for the effect determinations in the May 2014 PBA associated with the endangered interior least tern (*Sternula antillarum*), the endangered whooping crane (*Grus americana*), the endangered pallid sturgeon (*Scaphirhynchus albus*), the threatened piping plover (*Charadrius melodus*) and designated critical habitat for the piping plover.

The FBIR is the home of the Mandan, Hidatsa and Arikara Tribes that together make up the MHA Nation. The FBIR encompasses nearly 1 million acres (404,686 ha), of which almost half is held in trust by the United States for either the MHA Nation or individuals (known as allottees), and is located in west-central North Dakota in portions of McLean, Mountrail, Dunn, McKenzie, Mercer, and Ward Counties.

As described in the May 2014 PBA and October 2015 Addendum, the BIA anticipates processing right-of-way/easement approvals for 1,740 wells associated with approximately 435 well pads from June 4, 2014 through June 4, 2019. The proposed development activities include well pad construction; drilling and completion of wells; construction of access roads; installation of oil, gas, fresh water, and produced water flow lines; trenching to bury and install electric utility lines; staging areas; and other oil and gas related facilities. The Bureau of Land Management also performs an integral step in the federal permitting procedures by reviewing applications for permission to drill prior to construction activities commencing on the FBIR.

The October 2015 Addendum describes the effects of oil and gas development on the FBIR to the threatened Dakota skipper (*Hesperia dacotae*), the threatened northern long-eared bat (*Myotis septentrionalis*), the threatened rufa red knot (*Calidris canutus rufa*) and endangered Poweshiek skipperling (*Oarisma poweshiek*). These species, recently added to the list of threatened and endangered species receiving protection under the Act, have been identified as either known or potentially occurring within the exterior boundaries of the FBIR.

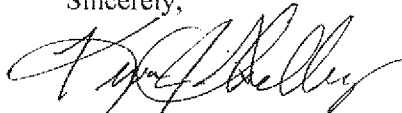
The BIA has requested Service concurrence with the determinations that oil and gas developments on the FBIR "may affect, are not likely to adversely affect" the Dakota skipper and the northern long-eared bat. Based upon the proposed site-specific review procedures and associated conservation measures as described in the Addendum (summarized in section 5.1.2 (pp. 5-14 to 5-17) for the Dakota skipper and section 5.4.2 (p. 5-23) for the northern long-eared bat), the Service has concluded the effects of the proposed well pads and associated infrastructure are either insignificant or discountable. Thus, the Service **concurs** with the above determinations.

The October 2015 Addendum also includes "no effect" determinations for the rufa red knot and Poweshiek skipperling. There is no requirement under the implementing regulations of the Act (50 CFR Part 402) for action agencies to receive Service concurrence with "no effect" determinations. Therefore, the responsibility for "no effect" determinations remains with the responsible federal agency. The Service recommends the BIA retain any documentation and analyses for these species in the decisional records associated with the future site-specific reviews that will become part of this federal action.

The Service's concurrence is based on the information contained within the October 2015 Addendum and the May 2014 PBA. Pursuant to 50 CFR 402.13, this letter concludes informal consultation on this action. This action will require re-initiation if: (1) new information reveals effects of the action that may affect listed species or critical habitat in a manner or to an extent not considered in this consultation; (2) the action is subsequently modified in a manner that causes an effect to the listed species or critical habitat that was not considered in the consultation; or (3) a new species is listed or critical habitat is designated that may be affected by this project.

We commend you for this accomplishment and appreciate your efforts to insure the conservation of listed species as part of our joint responsibilities under the Act. If you have any questions, please feel free to contact me directly at (701) 355-8512 or at the letterhead address.

Sincerely,



Kevin L. Shelley
North Dakota State Supervisor
ND/SD Field Office

cc: Mr. Loren Wickstrom, Bureau of Land Management, Dickinson, ND
Ms. Lisa Timchak, U.S. Forest Service, Dakota Prairie Grasslands, Bismarck, ND
Mr. Terry Steinwand, North Dakota Game and Fish, Bismarck, ND
Ms. Kari Cutting, North Dakota Petroleum Council, Bismarck, ND
Mr. Scott Larson, US Fish and Wildlife Service, Pierre, SD



In Reply Refer To:
8100-R
16-MT030-66

United States Department of the Interior
BUREAU OF LAND MANAGEMENT
North Dakota Field Office
99 23rd Avenue West – Suite A
Dickinson, North Dakota 58601-2619
<http://www.blm.gov/mt>



Assessment of Effects on Historic Properties

Project Name: **Clarks Creek 7 SWSE 1**

Date: May 3, 2016

Resource Specialist: **Annette Neubert**

Project Description:

EOG Resources has proposed the construction of a well pad and access road in McKenzie County, North Dakota (T151N R94W Section 7). The project is located on privately owned surface within the exterior boundaries of the Fort Berthold Indian Reservation.

Class III pedestrian survey had been previously completed in 2011. As such, the BLM has requested an updated Class I report.

Area of Potential Effects (36 CFR 800.16(d):

Based on the location and type of undertaking, the NDFO defines the APE as the area where the project will cause ground disturbance (surface or subsurface), the area from which the project may be visible or audible, and the area where the project may result in changes to land use, public access, and traffic patterns.

Resources within the APE:

Eleven previously recorded cultural resources are located within a one mile radius of the project location. One site, 32MZ2212, is located approximately 73 feet from the proposed area of disturbance. The site is recorded as a cairn and remains *Unevaluated* for the National Register. An existing road separates the site from the proposed pad location and should remain unaffected by the construction.

Supporting References:

BLM Report 16-MT030-66: Harding, William, 2016. *Class I Cultural Resource Inventory, Clarks Creek 7, SWSE 1 Well Pad and Access Road*, SWCA Environmental Consultants.

Adverse Effects: The Proposed Action Will (36 CFR 800.5(2)(i):

- ☐ Cause physical destruction of or damage to all or part of a historic property.
- ☐ Alter a historic property including restoration, rehabilitation, repair, maintenance, stabilization, hazardous material remediation and provision of handicapped access.
- ☐ Remove the historic property from its historic location.
- ☐ Change the character of the property's use or physical features.
- ☐ Introduce visual, atmospheric or audible elements that diminish the integrity of the property's significant historic features.
- ☐ Transfer, lease, or sell a historic property out of Federal ownership or control without adequate and legally enforceable restrictions or conditions.
- ☐ Interfere with the free exercise of Native American Religion (AIRFA).
- ☐ Prevent Indian religious practitioners from accessing sacred sites (EO 13007).
- ☒ Not cause an adverse effect.

Planned Mitigation NEPA or NHPA:

One site will require monitoring during well pad and access road construction activities to ensure all activities remain on existing roads and east; avoiding the existing site to the west. The project may proceed as planned.

Assessment of Effect:

- ☒ No Historic Properties Affected
- ☐ No Adverse Effect
- ☐ Adverse Effect



In Reply Refer To:
8100-R
16-MT030-66

United States Department of the Interior
BUREAU OF LAND MANAGEMENT
North Dakota Field Office
99 23rd Avenue West – Suite A
Dickinson, North Dakota 58601-2619
<http://www.blm.gov/mt>



May 3, 2016

Ms. Claudia J. Berg
State Historic Preservation Officer
State Historical Society of North Dakota
612 East Boulevard Avenue
Bismarck, North Dakota 58505-0830

Dear Ms. Berg,

Enclosed is a courtesy copy of a Class I report for the proposed construction of a well pad and access road for EOG. The project is located on privately owned surface within the exterior boundaries of the Fort Berthold Indian Reservation.

Project: Clarks Creek 7 SWSE 1
Location: T151N R94W Section 7

The NDFO has made a finding of "No Historic Properties Affected" based on reviewing the results of the attached summary and report.

If you have any questions regarding the above referenced project or attached report, the BLM archaeologist, Annette Neubert, can be contacted at (701) 227-7781 or by email at aneubert@blm.gov.

Sincerely,

Loren Wickstrom
Field Manager

Enclosures (2)



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BUREAU OF LAND MANAGEMENT
North Dakota Field Office
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Dickinson, North Dakota 58601-2619
<http://www.blm.gov/mt>



Assessment of Effects on Historic Properties

Project Name: **Clarks Creek 7 SWSE 1**

Date: May 3, 2016

Resource Specialist: **Annette Neubert**

Project Description:

EOG Resources has proposed the construction of a well pad and access road in McKenzie County, North Dakota (T151N R94W Section 7). The project is located on privately owned surface within the exterior boundaries of the Fort Berthold Indian Reservation.

Class III pedestrian survey had been previously completed in 2011. As such, the BLM has requested an updated Class I report.

Area of Potential Effects (36 CFR 800.16(d):

Based on the location and type of undertaking, the NDFO defines the APE as the area where the project will cause ground disturbance (surface or subsurface), the area from which the project may be visible or audible, and the area where the project may result in changes to land use, public access, and traffic patterns.

Resources within the APE:

Eleven previously recorded cultural resources are located within a one mile radius of the project location. One site, 32MZ2212, is located approximately 73 feet from the proposed area of disturbance. The site is recorded as a cairn and remains *Unevaluated* for the National Register. An existing road separates the site from the proposed pad location and should remain unaffected by the construction.

Supporting References:

BLM Report 16-MT030-66: Harding, William, 2016. *Class I Cultural Resource Inventory, Clarks Creek 7, SWSE 1 Well Pad and Access Road*, SWCA Environmental Consultants.

Adverse Effects: The Proposed Action Will (36 CFR 800.5(2)(i):

- ☐ Cause physical destruction of or damage to all or part of a historic property.
- ☐ Alter a historic property including restoration, rehabilitation, repair, maintenance, stabilization, hazardous material remediation and provision of handicapped access.
- ☐ Remove the historic property from its historic location.
- ☐ Change the character of the property's use or physical features.
- ☐ Introduce visual, atmospheric or audible elements that diminish the integrity of the property's significant historic features.
- ☐ Transfer, lease, or sell a historic property out of Federal ownership or control without adequate and legally enforceable restrictions or conditions.
- ☐ Interfere with the free exercise of Native American Religion (AIRFA).
- ☐ Prevent Indian religious practitioners from accessing sacred sites (EO 13007).
- ☒ Not cause an adverse effect.

Planned Mitigation NEPA or NHPA:

One site will require monitoring during well pad and access road construction activities to ensure all activities remain on existing roads and east; avoiding the existing site to the west. The project may proceed as planned.

Assessment of Effect:

- ☒ No Historic Properties Affected
- ☐ No Adverse Effect
- ☐ Adverse Effect



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 8

1595 Wynkoop Street
Denver, CO 80202-1129
Phone 800-227-8917
www.epa.gov/region8

Ref: 8P-AR

Mr. Jason Rauen.
EOG Environmental – Denver Division
EOG Resources, Inc.
600 Seventeenth Street, Suite 1000N
Denver, Colorado 80202

MAY 05 2017

Dear Mr. Rauen:

Thank you for your submittal dated April 25, 2017, transmitting documentation of your procedures to address threatened and endangered species (TES) and historic properties for the Van Hook 14 SESE Pad, Van Hook 35 SESE Pad, Van Hook 36 SESW Pad, and Clarks Creek Central Facility under the Federal Implementation Plan for True Minor Sources in Indian Country in the Oil and Natural Gas Production and Natural Gas Processing Segments of the Oil and Natural Gas Sector. In accordance with 40 CFR 49.104(a)(2), you must obtain written confirmation from the U.S. Environmental Protection Agency that you have satisfactorily addressed the procedures before submitting the Part 1 General Facility Information registration form 30 days prior to beginning construction.

This letter serves as written confirmation that EOG Resources, Inc. has satisfactorily completed the procedures to address TES and historic properties for the above mentioned true minor modifications for existing true minor sources with documentation supporting your findings of no effects to TES and no historic properties affected. Please be aware that since you submitted the Part 1 General Facility Information registration form at the same time as the documentation of procedures to address TES and historic properties, construction may not begin on this source until 30 days after you receive this letter.

If you have any questions or concerns, please contact Mr. Colin Schwartz of my staff at (303) 312-6043 or schwartz.colin@epa.gov.

Sincerely,

A handwritten signature in cursive script that reads "Monica Morales".

Monica Morales, Acting Director
Air Program

cc: Edmund Baker
Environmental Director, Three Affiliated Tribes

Procedures to Address Threatened and Endangered Species and Historic Properties for the Federal Implementation Plan for True Minor Sources in Indian Country in the Oil and Natural Gas Production and Natural Gas Processing Segments of the Oil and Natural Gas Sector

Section 1: Contact Information

Business name: EOG Resources, Inc.	Site address: Clarks Creek Central Facility SW 1/4, SE 1/4 Sec. 7, T151N , R94W Lat/Long: 47.905900/ -102.755400
Send all correspondence regarding this evaluation to (mailing address): 600 17th St, Suite 1000N Denver, CO 80202	Contact for this notification: Name: Mathew Oliver Phone: (303) 262-9915 Email: mathew_oliver@eogresources.com

Section 2: Evaluation of Threatened and Endangered Species and Historic Properties

1. Threatened or Endangered Species

Please indicate under which criterion in Appendix A you satisfy after evaluating the effects on threatened or endangered species as a result of your construction, modification or operation of your new or modified minor source of air pollutants. Be sure to include all documentation identified in Appendix A with this evaluation.


☐ A ☐ B ☐ C ☒ D ☐ E

2. Historic Properties

Please indicate under which criterion in Appendix B you satisfy after evaluating the effects to historic properties as a result of your construction, modification or operation of your new or modified minor source of air pollutants? Be sure to include all documentation identified in Appendix B with this evaluation.

☒ No historic properties affected ☐ No adverse effects ☐ Adverse effects

Section 3: Signature

Name: <u></u> (Signature)	Name: <u>Mathew Oliver</u> (Print or Type)
Title: <u>Environmental Manager</u>	Date: <u>6/10/2019</u>

Appendix A

EPA Application Forms



United States Environmental Protection Agency

<https://www.epa.gov/tribal-air/tribal-minor-new-source-review>

April 29, 2019

Part 1: Submit 30 Days Prior to Beginning Construction -- General Facility Information

FEDERAL IMPLEMENTATION PLAN FOR TRUE MINOR SOURCES IN INDIAN COUNTRY IN THE OIL AND NATURAL GAS PRODUCTION AND NATURAL GAS PROCESSING SEGMENTS OF THE OIL AND NATURAL GAS SECTOR

Registration for New True Minor Oil and Natural Gas Sources and Minor Modifications at Existing True Minor Oil and Natural Gas Sources

Please submit information to:

[Reviewing Authority

Address

Phone]

Environmental Protection Agency
U.S. EPA, Region 8
1595 Wynkoop Avenue, 8P-AR
Denver, Colorado 80202-1129

A. GENERAL SOURCE INFORMATION (See Instructions Below)

1. Company Name EOG Resources, Inc.		2. Source Name Clarks Creek Central Facility	
3. Type of Oil and Natural Gas Operation Oil & Gas Well Site		4. New Minor Source? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
		5. Minor Source Modification? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
6. NAICS Code 211120		7. SIC Code 1311	
8. U.S. Well ID(s) or API Number(s) [if applicable] See attached well list			
9. Area of Indian Country Fort Berthold	10. County McKenzie	11a. Latitude 47.905900 (NAD 83)	11b. Longitude -102.755400 (NAD 83)

Clarks Creek Central Facility Well List with API numbers

Well Name	API Number	New/Existing
Clarks Creek 11-0706H	33-053-03615	Existing
Clarks Creek 12-0719H	33-053-03616	Existing
Clarks Creek 13-1806H	33-053-03613	Existing
Clarks Creek 14-1819H	33-053-03614	Existing
Clarks Creek 16-0706H	33-053-03617	Existing
Clarks Creek 73-0719H	33-053-07663	Existing
Clarks Creek 74-0719H	33-0530-7661	Existing
Clarks Creek 75-0719HX	33-053-07809	Existing
Clarks Creek 101-1819H	33-053-03612	Existing
Clarks Creek 110-0719H	33-053-07662	Existing
Clarks Creek 24-0706H	33-053-07666	Existing
Clarks Creek 72-0706H	33-053-07664	Existing
Clarks Creek 107-0706H	33-053-07665	Existing
Clarks Creek 108-0706H	33-053-08359	Existing
Clarks Creek 155-0706H	33-053-07667	Existing
Clarks Creek 105-0719H	33-053-09061	NEW
Clarks Creek 18-0719H	33-053-09060	NEW
Clarks Creek 106-0724H	33-053-09058	NEW
Clarks Creek 45-0705H	33-053-09055	NEW
Clarks Creek 47-0706H	33-053-09057	NEW
Clarks Creek 46-0706H	33-053-09056	NEW

B. CONTACT INFORMATION (See Instructions Below)

1. Owner Name Mathew Oliver		Title Environmental Manager	
Mailing Address 600 17th St, Suite 1000N, Denver, CO 80202			
Email Address mathew_oliver@eogresources.com			
Telephone Number 303-262-9915		Facsimile Number	
2. Operator Name (if different from owner)		Title	
Mailing Address			
Email Address			
Telephone Number		Facsimile Number	
3. Source Contact Mathew Oliver (see above)		Title	
Mailing Address			
Email Address			
Telephone Number		Facsimile Number	

4. Compliance Contact Mathew Oliver (see above)		Title	
Mailing Address			
Email Address			
Telephone Number		Facsimile Number	

C. ATTACHMENTS

Include all of the following information as attachments to this form:

- ☒ Narrative description of the operations.
- ☒ Identification and description of all emission units and air pollution generating activities (with the exception of the exempt emissions units and activities listed in §49.153(c).
- ☒ Identification and description of any air pollution control equipment and compliance monitoring devices or activities that are expected to be used at the facility.
- ☒ Estimated operating schedules.
- ☐ If satisfying the requirements under §49.104(a)(1), documentation that another federal agency has complied with its requirements under the Endangered Species Act (ESA) and the National Historic Preservation Act (NHPA) when authorizing the activities for the facility/activity covered under this registration. The appropriate documents shall clearly show that the other federal agency had met its obligations under both the ESA and NHPA. A simple reference to a Record of Decision or other final decision document will not be acceptable. Examples of acceptable documentation would be a letter from the U.S. Fish and Wildlife Service field office (for ESA) or a historic preservation office (for NHPA) stating they agree with the assessment conducted by the other federal agency for the subject project and that the requirements of those statutes have been met. The documentation shall be submitted within the Part 1 registration.
- ☒ If satisfying the requirements under §49.104(a)(2), the letter provided by the Reviewing Authority indicating satisfactory completion of the specified screening procedures to address threatened or endangered species and historic properties. The documentation shall be submitted under the Part 1 registration. (The procedures are contained in the following document: "Procedures to Address Threatened or Endangered Species and Historic Properties for the Federal Implementation Plan for True Minor Sources in Indian Country in the Oil and Natural Gas Production and Natural Gas Processing Segments of the Oil and Natural Gas Sector," <https://www.epa.gov/tribal-air/tribal-minor-new-source-review>).
- ☐ Other.

Instructions for Part 1

Please answer all questions. If the item does not apply to the source and its operations write "n/a". If the answer is not known write "unknown".

A. General Source Information

1. Company Name: Provide the complete company name. For corporations, include divisions or subsidiary name, if any.
2. Source Name: Provide the source name. Please note that a source is a site, place, or location that may contain one or more air pollution emitting units.
3. Type of Operation: Indicate the generally accepted name for the oil and natural gas production or natural gas processing segment operation (e.g., oil and gas well site, tank battery, compressor station, natural gas processing plant).
4. New True Minor Source: [Per Federal Indian Country Minor New Source Review Rule, 40 CFR 49.153].
5. True Minor Source Modification: [Per Federal Indian Country Minor New Source Review Rule, 40 CFR 49.153].
6. North American Industry Classification System (NAICS): The NAICS Code for your oil and natural gas source can be found at the following link for North American Industry Classification System:
<http://www.census.gov/eos/www/naics/>.
7. Standard Industrial Classification Code (SIC Code): Although the new NAICS code has replaced the SIC codes, much of the Clean Air Act permitting processes continue to use these codes. The SIC Code for your oil and natural gas source can be found at the following link for Standard Industrial Classification Codes:
http://www.osha.gov/pls/imis/sic_manual.html.
8. U.S. Well ID or API Number: Unique well identifier as assigned by the Federal or State oil and gas regulatory agency with primacy, using the American Petroleum Institute (API) Standard for number format (pre-2014) or the Professional Petroleum Data Management (PPDM) Association US Well Number Standard (2014-present). Provide IDs for all oil and natural gas production wells associated with the facility, if applicable. May not be applicable for downstream production sources, such as compressor stations.
9. Area of Indian Country: Provide the name of the Indian reservation within which the source is operating.
10. County: Provide the County within which the source is operating.
11. Latitude & Longitude (11a. and 11b.): Provide latitude and longitude location(s) in decimal degrees, indicating the datum used in parentheses. These are GPS (global positioning system) coordinates. This information should be provided in decimal degrees with 6 digits to the right of the decimal point, indicating the datum used in parentheses (i.e., NAD 27, NAD 83, WGS 84 – WGS 84 is preferred over NAD 27).

B. Contact Information

Please provide the information requested in full.

1. Owners: List the full name (last, middle initial, first) of all owners of the source.
2. Operator: Provide the name of the operator of the source if it is different from the owner(s).
3. Source Contact: The source contact must be the local contact authorized to receive requests for data and information.
4. Compliance Contact: The compliance contact must be the local contact responsible for the source's compliance with this rule. If this is the same as the Source Contact please note this on the form.

C. Attachments

The information requested in the attachments will enable the U.S. Environmental Protection Agency (EPA) to understand the type of oil and natural gas source being registered.

Disclaimers:

The public reporting and recordkeeping burden for this collection of information is estimated to average 6 hours per response. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates, and any suggested methods for minimizing respondent burden, including through the use of automated collection techniques to the Director, Collection Strategies Division, U.S. Environmental Protection Agency (2822T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed form to this address.

Information in these forms submitted in compliance with the final Federal Indian Country Minor New Source Review rule may be claimed as confidential. A company may assert a claim of confidentiality for information submitted by clearly marking that information as confidential. Such information shall be treated in accordance with EPA's procedures for information claimed as confidential at 40 CFR part 2, subpart B, and will only be disclosed by the means set forth in the subpart. If no claim of confidentiality accompanies the report when it is received by EPA, it may be made public without further notice to the company (40 CFR 2.203).